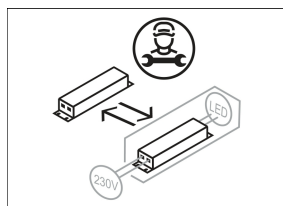
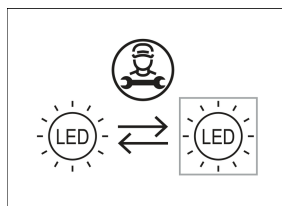


DAL-S-LK 101.830.40



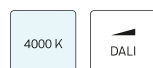
Colours	Article no.	EAN
silver	661043	4043544698605



Description

- light-head rotates through 355° and swivels through 30° by adjusting screw
- individual optics by standard recessed frame or trimless recessed frame and various front reflectors
- outstanding ease of maintenance
- no UV and thermal emissions
- thermal management with passive cooling
- light-head and heat sink made from die-cast
- main reflector made from plastic
- black anti-glare ring made from polycarbonate for accommodating honeycomb louvre
- diffuser glass pane
- light-head snaps into mounting frame without tools
- connection to ballast via luminaire cable with Mini-Clamp connector
- ballast (LED converter) included (external placement)

Standard options



Special options



Lighting data / Norms

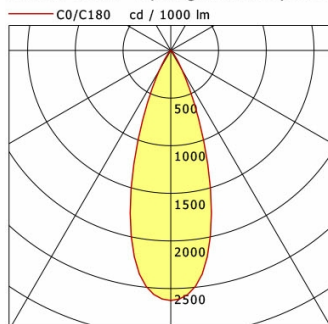
Lamps	LED Spot / CRI 80 / 3000 K
EPREL light sources	992480
Lifetime	L90 B50 50.000 h L80 B50 100.000 h L80 B20 50.000 h
System power	22.0 W
Luminaire luminous flux	max. 1460 lm
System efficiency	45.90 lm/W
Module efficiency	157.83 lm/W
UGR class	≤16
Beam angle	40°
Supply voltage	220 - 240 V / 50 - 60 Hz
Protection class	III
Type of protection	IP20

Dimensions / Weights

Outer diameter	82 mm
Height	103 mm
Recessed depth	135 mm
Diameter of light head	82 mm
Net weight	0.66 kg
Gross weight	0.70 kg

DAL-S-LK 101.830.40

Dallton Small - Spotlight Insert (DAL-S-RTQ 11_SW-MATT, 1xLED 22W 830/3000K 1010lm 40 °)



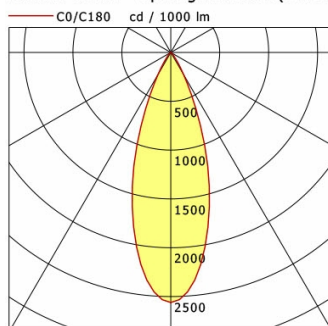
	C0	C90	C180	C270
0°	2626	2626	2626	2626
15°	1635	1635	1635	1635
30°	234	234	234	234
45°	14	14	14	14
60°	1	1	1	1
75°	0	0	0	0
90°	0	0	0	0

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.89	294.6
6.0	3.78	73.7
9.0	5.68	32.7
12.0	7.57	18.4
15.0	9.46	11.8

η	LED
Efficiency	46 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	22 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	<10.0
UGR C90/C270	<10.0
CIE Flux Codes	99 100 100 100 100
Ra/CRI	>80

LTS

Dallton Small - Spotlight Insert (DAL-S-RTR 21_CH-SW, 1xLED 22W 830/3000K 1380lm 40 °)



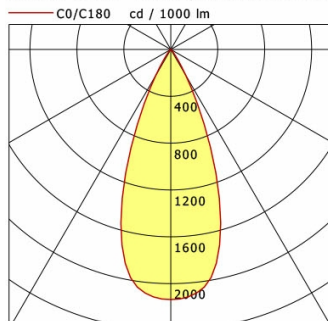
	C0	C90	C180	C270
0°	2561	2561	2561	2561
15°	1528	1528	1528	1528
30°	261	261	261	261
45°	28	28	28	28
60°	0	0	0	0
75°	0	0	0	0
90°	0	0	0	0

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.88	392.7
6.0	3.77	98.2
9.0	5.65	43.6
12.0	7.53	24.5
15.0	9.42	15.7

η	LED
Efficiency	63 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	22 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	12.1
UGR C90/C270	12.1
CIE Flux Codes	98 100 100 100 100
Ra/CRI	>80

LTS

Dallton Small - Spotlight Insert (DAL-S-RFR 21, 1xLED 22W 830/3000K 1390lm 40 °)



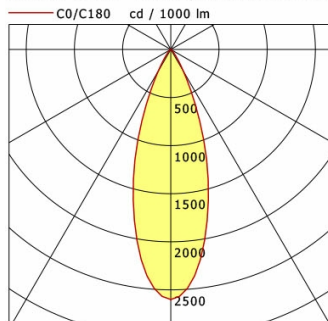
	C0	C90	C180	C270
0°	2136	2136	2136	2136
15°	1635	1635	1635	1635
30°	257	257	257	257
45°	12	12	12	12
60°	0	0	0	0
75°	0	0	0	0
90°	0	0	0	0

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	2.25	329.8
6.0	4.49	82.5
9.0	6.74	36.6
12.0	8.99	20.6
15.0	11.23	13.2

η	LED
Efficiency	63 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	22 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	10.2
UGR C90/C270	10.2
CIE Flux Codes	99 100 100 100 100
Ra/CRI	>80

LTS

Dallton Small - Spotlight Insert (DAL-S-RTR 21_CH, 1xLED 22W 830/3000K 1430lm 40 °)



	C0	C90	C180	C270
0°	2600	2600	2600	2600
15°	1510	1510	1510	1510
30°	261	261	261	261
45°	32	32	32	32
60°	0	0	0	0
75°	0	0	0	0
90°	0	0	0	0

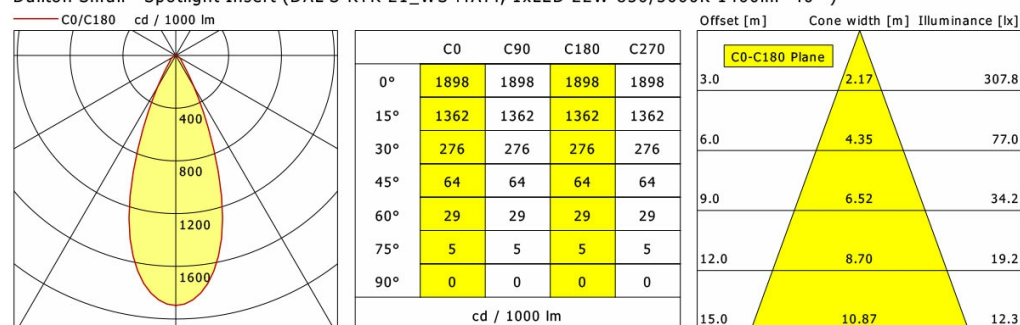
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.84	413.2
6.0	3.68	103.3
9.0	5.52	45.9
12.0	7.36	25.8
15.0	9.20	16.5

η	LED
Efficiency	65 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	22 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	12.6
UGR C90/C270	12.6
CIE Flux Codes	97 100 100 100 100
Ra/CRI	>80

LTS

DAL-S-LK 101.830.40

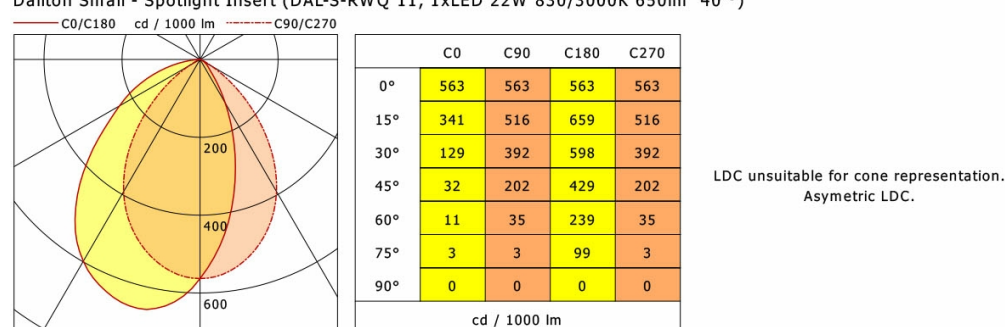
Dallton Small - Spotlight Insert (DAL-S-RTR 21_WS-MATT, 1xLED 22W 830/3000K 1460lm 40 °)



η	LED
Efficiency	66 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	22 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	18.9
UGR C90/C270	18.9
CIE Flux Codes	89 97 100 100 100
Ra/CRI	>80

LTS

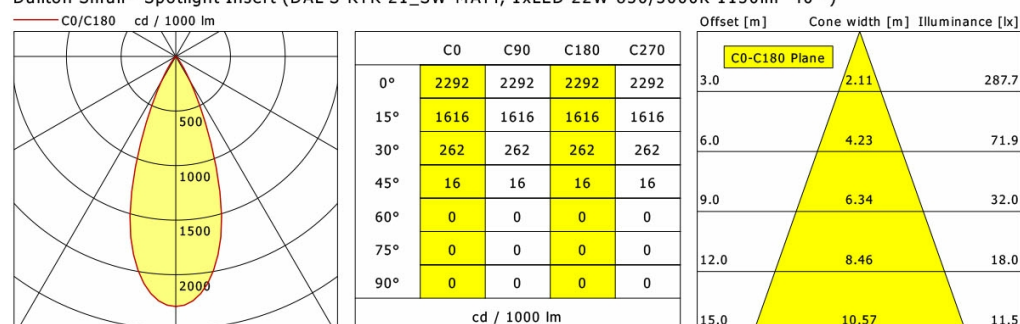
Dallton Small - Spotlight Insert (DAL-S-RWQ 11, 1xLED 22W 830/3000K 650lm 40 °)



η	LED
Efficiency	30 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	22 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	<10.0
UGR C90/C270	22.5
CIE Flux Codes	62 89 98 100 100
Ra/CRI	>80

LTS

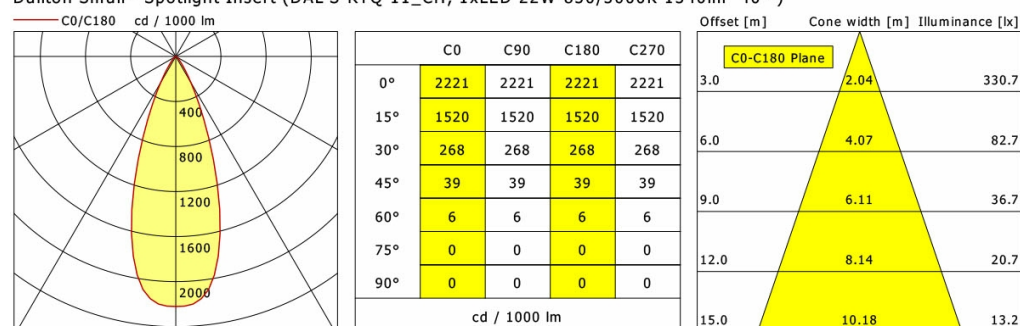
Dallton Small - Spotlight Insert (DAL-S-RTR 21_SW-MATT, 1xLED 22W 830/3000K 1130lm 40 °)



η	LED
Efficiency	51 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	22 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	10.4
UGR C90/C270	10.4
CIE Flux Codes	99 100 100 100 100
Ra/CRI	>80

LTS

Dallton Small - Spotlight Insert (DAL-S-RTQ 11_CH, 1xLED 22W 830/3000K 1340lm 40 °)

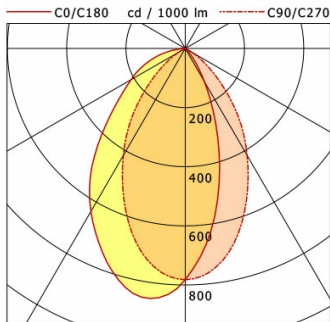


η	LED
Efficiency	61 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	22 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	12.2
UGR C90/C270	12.2
CIE Flux Codes	96 100 100 100 100
Ra/CRI	>80

LTS

DAL-S-LK 101.830.40

Dallton Small - Spotlight Insert (DAL-S-RWR 21, 1xLED 22W 830/3000K 820lm 40 °)



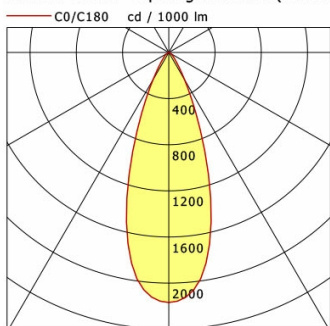
	C0	C90	C180	C270
0°	782	782	782	782
15°	447	665	825	665
30°	129	417	637	417
45°	17	179	389	179
60°	3	30	211	30
75°	1	2	95	2
90°	0	0	0	0

LDC unsuitable for cone representation.
Asymmetric LDC.

η	LED
Efficiency	37 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	22 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	<10.0
UGR C90/C270	23.0
CIE Flux Codes	70 91 98 100 100
Ra/CRI	>80

LTS

Dallton Small - Spotlight Insert (DAL-S-RTQ 11_SI-MATT, 1xLED 22W 830/3000K 1280lm 40 °)



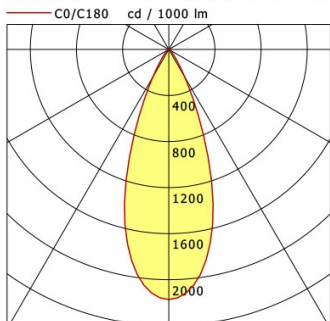
	C0	C90	C180	C270
0°	2168	2168	2168	2168
15°	1417	1417	1417	1417
30°	273	273	273	273
45°	61	61	61	61
60°	16	16	16	16
75°	1	1	1	1
90°	0	0	0	0

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.98	308.4
6.0	3.96	77.1
9.0	5.94	34.3
12.0	7.92	19.3
15.0	9.90	12.3

η	LED
Efficiency	58 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	22 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	14.6
UGR C90/C270	14.6
CIE Flux Codes	92 99 100 100 100
Ra/CRI	>80

LTS

Dallton Small - Spotlight Insert (DAL-S-RTR 21_SI-MATT, 1xLED 22W 830/3000K 1350lm 40 °)



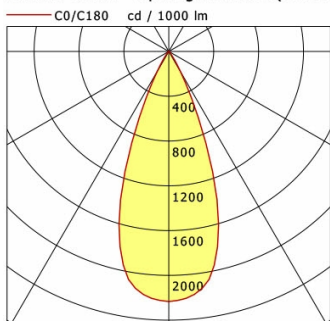
	C0	C90	C180	C270
0°	2172	2172	2172	2172
15°	1485	1485	1485	1485
30°	276	276	276	276
45°	45	45	45	45
60°	7	7	7	7
75°	0	0	0	0
90°	0	0	0	0

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	2.08	325.8
6.0	4.16	81.5
9.0	6.24	36.2
12.0	8.32	20.4
15.0	10.40	13.0

η	LED
Efficiency	61 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	22 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	14.1
UGR C90/C270	14.1
CIE Flux Codes	95 100 100 100 100
Ra/CRI	>80

LTS

Dallton Small - Spotlight Insert (DAL-S-RFQ 11, 1xLED 22W 830/3000K 1390lm 40 °)



	C0	C90	C180	C270
0°	2233	2233	2233	2233
15°	1707	1707	1707	1707
30°	210	210	210	210
45°	14	14	14	14
60°	3	3	3	3
75°	0	0	0	0
90°	0	0	0	0

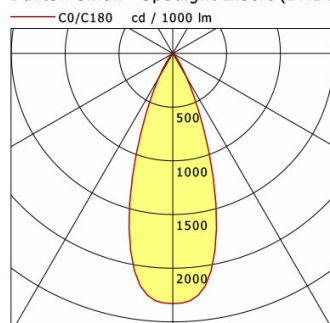
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	2.21	344.9
6.0	4.41	86.2
9.0	6.62	38.3
12.0	8.82	21.6
15.0	11.03	13.8

η	LED
Efficiency	63 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	22 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	<10.0
UGR C90/C270	<10.0
CIE Flux Codes	98 100 100 100 100
Ra/CRI	>80

LTS

DAL-S-LK 101.830.40

Dallton Small - Spotlight Insert (DAL-S-RTQ 11_CH-SW, 1xLED 22W 830/3000K 1250lm 40 °)



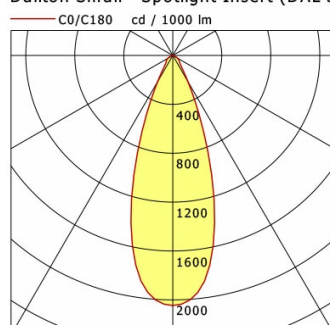
	C0	C90	C180	C270
0°	2329	2329	2329	2329
15°	1569	1569	1569	1569
30°	254	254	254	254
45°	31	31	31	31
60°	4	4	4	4
75°	0	0	0	0
90°	0	0	0	0

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	2.00	323.5
6.0	4.01	80.9
9.0	6.01	35.9
12.0	8.01	20.2
15.0	10.02	12.9

η	LED
Efficiency	57 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	22 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	10.8
UGR C90/C270	10.8
CIE Flux Codes	97 100 100 100 100
Ra/CRI	>80

LTS

Dallton Small - Spotlight Insert (DAL-S-RTQ 11_WS-MATT, 1xLED 22W 830/3000K 1300lm 40 °)



	C0	C90	C180	C270
0°	2046	2046	2046	2046
15°	1319	1319	1319	1319
30°	247	247	247	247
45°	77	77	77	77
60°	43	43	43	43
75°	6	6	6	6
90°	0	0	0	0

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	1.96	295.5
6.0	3.91	73.9
9.0	5.87	32.8
12.0	7.82	18.5
15.0	9.78	11.8

η	LED
Efficiency	59 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	22 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	19.0
UGR C90/C270	19.0
CIE Flux Codes	86 96 100 100 100
Ra/CRI	>80

LTS

Recessed Spotlights · Dallton Small System



DAL-S-LK 101.830.40

Accessories



DAL-S-ZBW 11.21
honeycomb louvre